

II. AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Claims 1-11. (Cancelled)

12. (Original) A prosthesis for placement in a lumen of the first vessel that intersects with a second vessel, the prosthesis comprising:
a first end,
a second end, and
wherein at least one of the first and second ends is provided with a wire structure which has a plurality of apices extending beyond at least a portion of the corresponding end such that the plurality of apices extend across a lumen of the second vessel without occluding the lumen of the second vessel.
13. (Original) The prosthesis of claim 1 wherein the prosthesis is bifurcated.
14. (Original) The prosthesis of claim 1 wherein the first vessel is an aorta and the second vessel is a renal artery.
15. (Original) The prosthesis of claim 1 wherein the prosthesis has a tubular shape.
16. (Original) The prosthesis of claim 1 wherein the wire structure is formed of a metal.
17. (Original) The prosthesis of claim 1 wherein the wire structure is formed of a stainless steel.

18. (Original) The prosthesis of claim 1 wherein the wire structure is formed of a biocompatible plastic.

19. (Original) The prosthesis of claim 1 wherein the prosthesis is for treatment of aneurysms or occlusive diseases.

20. (Original) A prosthesis for placement in a lumen of the first vessel that intersects with a second vessel, the prosthesis comprising:

a first end adapted for placement adjacent to a junction between the first vessel and the second vessel, and

a second end,

wherein the first end is reinforced with a wire member which has a plurality of apices extending beyond at least a portion of the first end and across the junction between the first vessel and the second vessel such that the prosthesis does not occlude a lumen of the second vessel.

21. (New) The prosthesis of claim 12 wherein said plurality of apices are formed from malleable material.

22. (New) The prosthesis of claim 12 wherein said plurality of apices are formed from a material that is not substantially resilient so that said plurality of apices have to be physically expanded in order to press against an inner surface of said first vessel.

23. (New) The prosthesis of claim 20 wherein said plurality of apices are formed from malleable material.

24. (New) The prosthesis of claim 20 wherein said plurality of apices are formed from a material that is not substantially resilient so that said plurality of apices have to be physically expanded in order to press against an inner surface of said first vessel.

25. (New) The prosthesis of claim 12 wherein said wire structure comprises a wire having a shape that is generally closed sinusoidal or zig-zag.

26. (New) The prosthesis of claim 25 wherein said shape is generally closed sinusoidal.

27. (New) The prosthesis of claim 25 wherein said shape is generally closed zig-zag.

28. (New) The prosthesis of claim 20 wherein said wire structure comprises a wire having a shape that is generally closed sinusoidal or zig-zag.

29. (New) The prosthesis of claim 28 wherein said shape is generally closed sinusoidal.

30. (New) The prosthesis of claim 28 wherein said shape is generally closed zig-zag.

31. (New) The prosthesis of claim 12 further comprising at least a first wire not at an end of said prosthesis.

32. (New) The prosthesis of claim 31 further comprising at least a second wire not at an end of said prosthesis.

33. (New) The prosthesis of claim 12 further comprising a plurality of wires arrayed along a length of said prosthesis.

34. (New) The prosthesis of claim 20 further comprising at least a first wire not at an end of said prosthesis.

35. (New) The prosthesis of claim 34 further comprising at least a second wire not at

an end of said prosthesis.

36. (New) The prosthesis of claim 20 further comprising a plurality of wires arrayed along a length of said prosthesis.